



BONEX III WORKSHOP

**SOLAR HYDROPONICS: IDENTIFYING
SOLUTIONS AND ROLES**

WEDNESDAY, JANUARY 29, 2025 | 9:00 AM - 1:00 PM
ASFARI ASFARI INSTITUTE CONFERENCE HALL, AUB

BOOSTING NEXUS FRAMEWORK IMPLEMENTATION IN THE MEDITERRANEAN – BONEX

BONEX, a project funded by PRIMA, is dedicated to revolutionizing sustainable practices in the Mediterranean region. Its core objectives include the development of practical tools tailored to the local context, the evaluation of innovative technologies, and the enhancement of policies and governance structures. At the heart of this initiative lies the WEF Nexus, a holistic approach that carefully balances social, economic, and ecological considerations. The project will be put into action through 7 Demonstration Projects in the MedRegion, with a special focus on implementing an innovative agrivoltaics system in Lebanon. This groundbreaking technology seamlessly integrates solar power with greenhouse production, promising substantial benefits in water-scarce environments and showcasing its potential to surpass net-zero energy production. The project will be assessed based on criteria including crop production, water conservation, energy efficiency, and environmental impact reduction, ultimately paving the way for a more sustainable future in Lebanon.

Workshop will bring together key stakeholders for collaborative exercises aimed at gathering recommendations on enhancing the feasibility of the hydroponics unit powered by solar energy in Lebanon. The workshop will address critical aspects of implementing this sustainable agricultural solution and enhancing the WEF Nexus in Lebanon. A key highlight of the workshop will be a tour of the hydroponics unit at AUB, which has been a significant part of the project's development.

Agenda

- 9:00 AM – 9:15 AM: Opening
- 9:15 AM – 10:00 AM: Demonstration Plot Results Discussion
- 10:00 AM – 10:30 AM: Tour of the Hydroponics Unit
- 10:30 AM – 10:50 AM: Coffee Break
- 10:50 AM – 11:40 AM: Exercise 1: Identifying Needs to Support the Implementation of the Intervention
- 11:40 AM – 12:30 PM: Exercise 2: Determining Oversight for Complementary Measures to Facilitate Implementation
- 12:30 PM – 12:45 PM: Plenary Discussion
- 12:45 PM – 1:00 PM: Closing



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